

SNIGUROWICZ, Jaroslaw; CZARNOBIELSKA, Wiktoria; JAGODA, Bonifacy; ZIEMSKI,
Jan; ZUPANSKA, Barbara.

The haptoglobin level in burns. Pol. tyg. lek. 19 no.39:1476-1479
28 S '64

1. Z Kliniki Hematologii Studium Doskonalenia Lekarzy Akademii
Medycznej w Warszawie i Kliniki Hematologicznej Instytutu Hemato-
logii w Warszawie (Kierownika prof. dr.med. W. Jawkowicz) oraz
z Kliniki Chirurgicznej Instytutu Hematologii (Kierownik Kliniki
doc. dr. med. A. Trojanowski [deceased]).

SZMIGIELSKI, Stanislaw; LITWIN, Joanna; ZUPANSKA, Ester; KROLIKOWSKA,
Irena

Histochemical studies on bone marrow and blood cells. Postepy
hig. med. dosw. 19 no.1tl-76 Ja-F'65.

1. Z Kliniki Hematologicznej Instytutu Hematologii w Warszawie
(Kierownik: prof. dr. W. Lawkowicz).

CZARNOBIELSKA, Wiktoria; JAGODA, Bonifacy; SNIGUROWICZ, Jaroslaw; ZIEMSKI,
Jan; ZUPANSKA, Barbara

Anemia in burn sickness. Pol. tyg. lek. 19 no.45:1718-1720
N 9'64

1. Z Kliniki Chirurgicznej Instytutu Hematologii w Warszawie
(Kierownik: doc. dr. med. A. Trojanowski [deceased] i z Kliniki
Hematologii Instytutu Hematologii oraz Kliniki Hematologii
Studium Doskonalemia Lekarzy (Kierownik: prof. dr. med.
W. Lawkowics).

LITWIN, Joanna; SZMIGIELSKI, Stanislaw; ZUPANSKA, Barbara

Histochemical studies of the activity of nonspecific esterases
in blood and bone marrow cells. Pol. arch. med. wewn. 35 no.5:
647-652 '65.

1. Z Kliniki Hematologicznej Instytutu Hematologii w Warszawie
i z Katedry Hematologii Studium Doskonalenia Lekarzy w Warszawie
(Kierownik: prof. dr. med. W. Lawkowicz).

KROLIKOWSKA, Irena; ZUPANSKA, Barbara

Distribution of ABO groups in some hematological diseases. Pol.
tyg. lek. 19 no.5:168-171 30 Ja '64.

1. Z Katedry Hematologii Stadium Doskonalenia Lekarzy Akademii
Medycznej w Warszawie i z Kliniki Hematologii Instytutu Hematologii
w Warszawie (kierownik: prof. dr med. Włodzimierz Lawkowicz).

SEYFRIEDOWA, Halina; WALEWSKA, Irena; ZUPANSKA, Barbara

Anti-Kidd (Jk^a) antibodies in chronic lymphatic leukemia with
hypogammaglobulinemia. Arch. immun. ther. exp. 13 no. 2:133-141
'65

1. Department of Serology, Hematological Clinic and Internal
Diseases Department, Institute of Hematology, Warsaw.

ZUPKOV, M.

Approximate method for constructing conformal mappings for
simply-connected regions. Vop. vych. mat. i tekh. no.13
5.10.1964.

(MERA 18-8)

ZUPEC, F.

The construction of forestry roads. p. 175.

PUT I SAOBRACAJ. (Drustvo za puteve Srbije)
Beograd, Yugoslavia. Vol. 4, no. 7/10, July/Oct. 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959.

Uncl.

RIVKIN, S.L., kand.tekhn.nauk; ZUPERMAN, D.A., inzh.

Magnetohydrodynamic method of direct conversion of heat energy
into electric power. Energetik 10 no.10:l-6 0 '62. (MIRA 15:12)
(Direct energy conversion)

ZUPIC, Stanislav

Treatment of catatonic stupor by means of medical enrythmia.
Neuropsihijatrija 7 no. 4:265-273 '59:

1. Iz Bolnice za sivcane i dusevne bolesti Vrapce-Zagreb.
(Ravnatelj: dr. J. Glaser)
(CATATONIA ther.)

ZUPKA, Frantisek (Zupka, Frantisek).

Militant traditions. Sov.profsoiuzy 5 no.81-83 Ag '57.

(MLRA 10:8)

1.Predsedatel' TSentral'nogo Soveta profsoyuzov Cheskoslovakii.
(Trade unions)

ZUPKA, Frantisek

Current tasks of Czechoslovakia's trade unions; Munka 10 no.3:
32-33 Mr '60.

1. Csehszlovak Szakszervezetek Kozponti Tanacsnak elnöke,

ZUPKA, F. [Zupka, František]

Historic task of the Czechoslovak trade unions. Vsem.prof.
dvizh. no.3:9-12 Mr '59. (MIRA 12:5)

1. Predsedatel' TSentral'nogo Soveta profsoyuzov Cheskoslovakii,
vitsepredsedatel' Vsemirnoy federatsii profsoyuzov.
(Czechoslovakia--Trade unions)

ZUPKA, Frantisek [Zupka, František]

Inexhaustible source of our strength. Sov.profsoiury 16 no.7:
33-35 Ap '60.
(MIRA 13:4)

1. Predsedatel' TSentral'nogo soveta profsoyuzov Cheskoslovakii.
(Czechoslovakia--Trade unions)
(Lenin, Vladimir Il'ich, 1870-1924)

ZUPKA, Frantisek [Zupka, Frantisek].

In the fight for improved conditions for workers. Sov.profsojusy
5 no.1:82-86 Ja '57.

1. Predsedatel' Tsentral'nogo soveta profsoyuzov Cheskoslovakii.
(Czechoslovakia--Trade unions)

ZUPANSKI, A.; ECKSTEIN, Z.

"N-methyl-N'-acetylurea", p. 559, (PRZEMYSŁ CHEMICZNY, Vol. 10, No. 11,
Nov. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5,
May 1955, Uncl.

ZUPIC, S.

Problem of rehabilitation of mental deficiency and mental disorders. Neuropsihijatrija 2 no.4:240-247 1954.

1. Iz Bolnice za zivcane i dusevne bolesti Vrapce-Zagreb.

(MENTAL DEFICIENCY,

rehabil., value of work.(Ser))

(MENTAL DISORDERS,

same.)

(REHABILITATION,

of ment. deficiency & ment. disord., value of work. (Ser))

(WORK, in various dis.

ment. disord. & ment. deficiency, value in rehabil. (Ser))

ZUPIC, S.

Dr. Ivan Herzog. Neuropsihijatrija 3 no.1:1-5 1955.
(OBITUARIES.
Herzog, Ivan (Ser))

CZECHOSLOVAKIA
11 Oct 63

ZUPKA, Frantisek

Chairman, Central Trade Union Council, bade farewell
to the Yugoslav trade union delegation, Prague,
11 October.

Prace, Prague, 12 Oct 63, p 1.

(1)

ZUPKA, Frantishek[Zupka, Frantisek]

~~Trade unions of Czechoslovakia prepare for their congress.~~
Vsem. prof. dvizh. no.5:31-33 My '63. (MIRA 16:6)

1. Predsedatel' TSentral'nogo soveta chekhoslovatskikh
profsoyuzov.
(Czechoslovakia—Trade unions—Congresses)

ZUPKA, Frantisek [Zupka, František]

~~Remove the danger of atomic war by joint action. Vsem. prof. dvizh.~~
~~(MIRA 11:?)~~
no. 6:8-9 Je 158.

1. Predsedatel' TSentral'nogo soveta profsoyuzov Cheskoslovakii.
(World politics)

ZUPKA, Frantishek [Zupka, František]

Improve methods in trade-union work. Vsem.prof.divizh. no.3:33-35
(MLRA 1015)
Mr '57.

1.Predsedatel' TSentral'nogo soveta profsoyuzov Chekhoslovaki.
(Czechoslovakia--Trade unions)

ZUPKA, Frantisek

Problems that we have to solve. Sov. profsoiuzy 7 no.12:57-60
Je '59.

(MIRA 12:9)

1. Predeedatel' TSentral'nogo soveta profsoyuzov Cheskoslovakii.
(Czechoslovakia--Trade unions)

ZUPKA, Francisek.

Czechoslovakian trade unions will continue to strengthen their
ties with the World Federation of Trade Unions. Vsem.prof.dvish.
no.10:28-30 0 '55. (MLRA 9:1)
(Czechoslovakia--Trade unions)

ZUPKA, Frantisek

Intrigues of revenge seekers create a threat to the main objectives
of the World Federation of Trade Unions. Vdm.prof.dvzh. no.11;9-12
N '60. (MIRA 13:11)

1. Chairman of the Central Council of Czechoslovak Trade Unions,
vice-president of the World Federation of Trade Unions.
(Czechoslovakia--Trade unions) (Germany, West--Militarism)

ZUPNIK, D.N.

Clinical aspects of fascioliasis in man. Med.paraz.i paraz.bol.
no.5:528-530 '61. (MIRA 14:10)

1. Iz kliniki infektsionnykh bolezney Stalinskoy oblastnoy klinicheskoy bol'nitay imeni Kalinina (glavnnyy vrach B.A. Shaporenko, zav. klinikoy S.L. Erez).
(LIVER FLUKE)

ZUPNIK, D.N.

Decontamination of carriers of dysenterial bacteria with furacillin,
Zhur. mikrobiol. epid. i immun. 32 no.7:132-134 Je '61. (MIHA 15:5)

1. Iz mediko-sanitarnoy chasti shakhty imeni Lenina Makeyevki.
(DYSENTERY) (FURACILIN)

ZUPNIK, D.N.

Work of a diagnostic station in a typhoid area. Zhur. mikrobiol.
epid. i immun. 31 no. 5:ll8 My '60. (MIR 13:10)

1. Iz mediko-sanitarnoy chasti shakty Kholodnaya Balka i
Stalinakogo meditsinskogo instituta.
(TYPHOID FEVER)

ZUPNIK, D.N.; MEL'NIKOV, P.P.; VUL'FSON, G.A.

Some characteristics of the blood picture and Widal reaction in typhoid fever patients treated and untreated with syntomycin.
Zdrav. Mel. 8 no.11:46-49 N '62. (MIRA 16:5)

1. Iz Rudnichnoy bol'nitsy g. Makeyevki (glavnnyy vrach N.I. Shvets).
(TYPHOID FEVER) (BLOOD—ANALYSIS AND CHEMISTRY)
(MEDICAL TESTS) (ACETAMIDE)

ZUPNIK, D.N. (Donetsk)

State of the cardiovascular system in epidemic and parenteral hepatitis. Vrach.delo no.10:121-124 O '62. (MIRA 15:10)

1. Klinika infektsionnykh bolezney (zav. - dotsent S.L.Erez)
oblastnoy bol'nitsy imeni Kalinina, Donetsk.
~~(INFECTIOUS)~~ (JAUNDICE) (CARDIOVASCULAR SYSTEM)

ZUPNIK D.N. [Zupnyk, D.N.]; MEL'NIKOV, P.P. [Mel'nykov, P.P.]; VUL'FSOM,
G.A. [Vul'fson, H.A.]

Typhoid fever in parturients. Ped., akush. i gин. 22 no.4:51-52
'60. (MIRA 14:5)

1. Makliva'ka rudnichna likarnya (golovniy likar - N.I. Shvets').
(PREGNANCY, COMPLICATIONS OF) (TYPHOID FEVER)

ZUPNIK, D.N.; MEL'NIKOV, P.P.; VUL'FSON, G.A.

Clinical characteristics of typhoid fever of water origin. Vrach.
delo no.4:109-111 Ap '61. (MIRA 14:6)

1. Makeyevskaya rudnichnaya bol'nitsa.
(TYPHOID FEVER)

VUL'FON, O.A.; MEL'NIKOV, P.P.; ZUPNIK, D.N.

Recurrences of typhoid fever in relation to the type of treatment.
Vrach. delo no. 1:116-117 '61. (MIRA 14:4)

1. Makeyevskaya rudnichnaya bol'nitsa Stalinskoy oblasti.
(TYPHOID FEVER)

ZUPNIK, D.N. (Makeyevka)

Cases of brucellosis among residents of cities and working settlements,
Vrach. delo no. 1:130 '61. (MIRA 14:4)

1. Infektsionnoye otdeleniye (zav. - D.N. Zupnik) mediko-sanitarnoy
chasti shakty imeni Lenina.
(BRUCELLOSIS)

ZUPNIK, D.N.; MUL'NIKOV, P.P.

Hemoculture in mild and obliterated forms of typhoid fever. Zhur.
mikrobiol., epid.i imunn. 30 no.12:123 D '59. (MIRA 13:5)

1. Iz mediko-sanitarnoy chasti shakhty "Khododnaya Balka" g.
Makeyevki Stalinskogo meditsinskogo instituta.
(TYPHOID FEVER)

ZUPNIK, D.N.

Widal's reaction in typhoid fever patients treated and not treated
with synthomycin. Vrach.delo no.10:1095 O '59. (MIRA 13:2)

1. Mediko-sanitarnaya chast' shakhty "Khodnaya balka."
(TYPHOID FEVER) (CHLOROMYCETIN)

ZUPNIK, D.N. (Dzerzhinsk, Dnepropetrovskoy obl.)

Peritonitis in bacillary dysentery. Vrach.delo no.1:1315-1316
D '58. (MIRA 12:3)

1. Infektsionnoye otdeleniye Dzerzhinskoy gorodskoy bol'nitsy.
(PERITONITIS) (DYSENTERY)

ZUFNIK, J.

"Planning and preparation of the renovations in the brick industry" p. 316
(MATERIALY BUDOWLANE, vol 7, no. 11, Nov. 1952 Warszawa, Poland)

SO: Monthly List of East European Acquisitions, Vol. 2, #3, Library of Congress
August, 1953, Uncl.

ZUPNIK, J.

(MATERIALY BUDOWLANE, Vol. 8, No. 10, Oct. 1953, Warszawa, Poland)

"General rules concerning the operation and exploitation of brickmaking machines,"
p. 282.

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, L.C., Vol. 3, No. 4, APRIL 1954

"APPROVED FOR RELEASE: 09/01/2001

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Planning and preparation in the brick industry

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R002065620007-3"

"APPROVED FOR RELEASE: 09/01/2001

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Mechanization of simple processes in brick manufacture
Gen. Bronislaw Jozef Modestynski (1913-1981)
- Minister of State Planning (1957-1960)
- Minister of Light Industry (1960-1962)
- Minister of State Planning (1962-1965)

APPROVED FOR RELEASE: 09/01/2001

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A062/A101

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AUTHORS:

Saftić, B., Varicák, M., Zuppa, M.

TITLE:

Effect of monoenergetic 14.2 Mev neutron irradiation on the conductivity of germanium

PERIODICAL:

Referativnyy zhurnal, Fizika, no. 12, 1962, 66,
abstract 12E471 ("Glasnik mat.-fiz. i astron.", 1961,
16, no. 1 - 2, 121 - 123, English; summary in Serbo-Croatian)

TEXT: The conductivity variations of n-Ge irradiated by a flux of 14.2 MeV neutrons was investigated. The initial conductivity of the specimens was $0.2837 \text{ ohm}^{-1}\text{-cm}^{-1}$. In order to reduce the effect of the temperature variations of the surrounding medium, the specimens were placed in a thermostat (temperature $30 \pm 0.05^\circ\text{C}$). The conductivity variation of the specimens after 15 hour-irradiation by a flux of $5.10^8 \text{ neutron/sec}$ was as low as $\sim 0.75\%$. In the specimens which were not placed in the thermostat even that small variation was not noticed. The rate of removal of the carriers was determined as equal to 25 carriers per neutron. A possibility was obtained to detect the dependence previously assumed (RZh Fiz, 1960, no. 9, 23850) of the carrier removal rate on the initial carrier

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Effect of monoenergetic 14.2 Mev neutron irradiation.. A062/A101

concentration, and also to determine the energetic levels of the radiation defects caused by the 14.2 Mev V neutron irradiation of Ge.

G. V.

[Abstracter's note: Complete translation]

Card 2/2

URLI, N. (Zagreb); ZUPPA, M. (Zagreb)

Effect of 14 MeV neutron bombardment on disordered regions in
n-type germanium. Glas mat fiz Hrv 17 no.3/4:223-232 '62
[publ.'63].

1. Institute "Ruder Boskovic", Zagreb.

SAFTIC, B. (Zagreb); VARICAK, M. (Zagreb); ZUPPA, M. (Zagreb)

Effect of monoenergetic 14,2 MeV neutron irradiation on the conductivity of germanium. Glas mat fiz Hrv. 16 no. 1/2:121-123 '61.

1. Faculty of Sciences and Institute "Ruder Boskovic", Zagreb.

ZUPRANSKI, P.
WOJTOWICZ, S.

Monitor with a scintillating counter, type 58, No. 1. p. 240

NUKLEONIKA. (Polska Akademia Nauk. Komitet do Spraw Pokojnego Wykorzystania Energii Jadrowej)
Warszawa. Vol. 3, no. 2, 1958
Poland/

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, no. 6, June 1959
Uncl.

IGLEWSKI, S.; MALUSZYNSKA, K.; NATANSON, L.; TURKIEWICZ, J.; ZUPRANSKI, P.

Further measurements of the angular distribution of fast neutrons
elastically scattered on Ga. Acta physica Pol 23 no.6:843-
844 Je '63.

1. Department of Experimental Physics, University, Lodz (for
Iglewski, Maluszynska). 2. Institute of Nuclear Research,
Polish Academy of Sciences, Swierk by Otwock (for Natanson,
Turkiewicz, Zuprinski).

Distr: 4E2a(c)/4E3e 2 cys

Potential scattering of neutrons in the resonance region.
W. Ratajuk, J. Turklewicz, and P. Zupanek (Univ.
Warsaw). *Bull. Acad. polon. sci., Ser. III, Math., astron.,
phys.*, 7, 527-0 (1959) (in English).—Transmission measure-
ments for Al, Ag, and Bi are reported. The cross sections
calculated from the plots of log transmission vs. sample thick-
ness were 1.4 ± 0.1 , 5.3 ± 0.4 , and 8.9 ± 0.4 , resp. The
plot for Ag showed deviations from linearity for small sample
thickness.

J. Steele

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A062/A101

AUTHORS: Małuszyńska, K., Natanson, L., Turkiewicz, J., Żupański, P.

TITLE: Angular distribution of fast neutrons elastically scattered on Ca

PERIODICAL: Referativnyy zhurnal, Fizika, no. 8, 1962, 47 - 48, abstract 8B340
(Bull. Acad. polon. sci. Sér. sci. math., astron. et phys., 1961,
v.9,no. 8, 621 - 623, English; summary in Russian)

TEXT: Measurements of elastically scattered neutrons were conducted simultaneously at 30° , 60° , 90° , 120° , and 150° . The neutrons were recorded using an Agfa K2 100- μ photographic emulsion. A Ca specimen 3 cm high and 2 cm in diameter was irradiated by a collimated neutron beam from the BBP-C (VVR-S) reactor. The lower limit of the neutron energy spectrum could not be lower than 1 Mev on account of the background. Angular distribution curves are presented for scattered neutrons in the 1 - 2 and 2 - 3 Mev ranges. Attention is directed onto the forward-backward asymmetry. To explain this circumstance, one has to allow for a direct interaction between neutron and nucleus, besides the scattering process from the composite nucleus. ✓C

[Abstracter's note: Complete translation]

Ye. Koltypin

Card 1/1

MALUSZYNSKA, K.; NATANSON, L.; TURKIEWICZ, J.; ZUPRANSKI, P.

Angular distributions of fast neutrons elastically scattered on Ca.
Bul Ac Pol Mat 9 no.8:621-623 '61.

1. Department of Experimental Physics, University, Lodz and Institute
for Nuclear Research, Polish Academy of Sciences. Presented by M. Danyss.

ZUPRUN, L. L.

"Reversion phenomenon in ageing technical iron," Zhur. Tekh. Fiz., 16, No.11, 1946.

ACCESSION NR: AP4008534

P/0031/63/008/004/0373/0386

AUTHOR: Manitius, Jan; Zur, Andrzej

TITLE: Region of optimum operation for a controlled rectifier during automatic voltage regulation

SOURCE: Archiwum automatyki i telemechaniki, v. 8, no. 4, 1963, 373-386

TOPIC TAGS: automatic voltage regulation, voltage control system, controlled rectifier, polyphase controlled rectifier, optimization, optimum operation region, static error, rectifier firing angle, relative voltage error, rectifier control angle, phase-shift rectifier control

ABSTRACT: The article deals with the operation of a phase-controlled rectifier with automatic voltage regulation. The closed-loop system analyzed here includes a phase-shift type of firing angle control and a proportional type voltage regulator. The static error is derived first in terms of supply voltage variations, then in terms of reference voltage variations and finally in terms of external disturbances, i.e. load changes. The optimum firing angle is established in regard to minimum voltage error under these quasistatic conditions. This optimum

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ACCESSION NR: AP4008534

lies between 30° and 45° depending on the total gain in the voltage correcting system. Such magnitudes of firing angle are in excess of those considered essential for efficient energy conversion in the rectifier device. It remains, therefore, to determine that region of operation within which the power factor is maintained sufficiently high while the system is still capable of being regulated. Mathematical analysis of this criterion leads to following conclusions: 1) the control angle should not be allowed to decrease to below 10° due to maximum load changes that could be expected; 2) a reduced supply voltage results in the narrowing of the permissible range of firing angles; 3) the power factor of the system increases with the correction angle and therefore with the magnitude of the disturbance. The power is minimum at no load and is maximum at maximum load. Orig. art. has: 9 figures, 3 tables and 51 formulas.

ASSOCIATION: Akademia Gorniczo Hutnicza Katedra Electrotechniki Hutniczej
(Mining-Metallurg Academy; Department of Electrical Engineering in Metallurgy)

SUBMITTED: 08Feb63
SUB CODE: CG, EE

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Card 2/2

MANITIUS, Jan; ZUR, Andrzej

Optimum operation range of a rectifier with automatic
voltage control. Archiw automat 8 no. 4: 373-386 1963.

1. Katedra Elektrotechniki Hutniczej, Akademia Gorniczo-Hutnicza, Krakow.

ZUR, Andrzej

Transistor pulse generator and phase shifter of grid voltage
pulses for controlled large power rectifiers. Przegl
elektrotechn 38 no.9:379-382 'S '62.

1. Katedra Elektrotechniki Hutniczej, Akademia
Gorniczo-Hutnicza, Krakow.

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ZUR, Tadeusz, dr inz.

Analysis of level luffing structures; plate girder jibs in level
luffing jib cranes with rope compensation. Przegl. mech. 22
no.2:53 25 J '63.

1. Katedra Budowy Maszyn Dźwigowych i Urządzeń Transportowych,
Politechnika, Wrocław.

ZUR, Tadeusz, dr. inz.

Capacity selection of belt and dumping conveyors in open-cast
mines. Przegl gorn 19 no.5:219-221 My '63.

ZUR, Tadeusz, dr inz.

Efficiency of band conveyors with four and five roller idlers.
Przegl mech 22 no.17: 524-528 10 s '63.

1. Dolnoslaskie Biuro Projektow Gorniczych, Wroclaw,

ZUR, Tadeusz, mgr., inz.

Tensioning devices for long conveyor belts. Przegl gorn 17 no.5:
285-293 My '61.

ZUR, Tadeusz, mgr., inz.

Double drum drive in heavy duty conveyors. Przegl gorn 17 no.7/8:
412-420 Jl-Ag '61.

ZUR, Tadeusz, dr inz.

Belt conveyors with elastically underslung running sets. Przegl
mech 22 no.10:302-308 25 My '63.

1. Glowny specjalista Doslaskiego Biura Projektow Gorniczych,
Wroclaw.

ZURABASHVILI, A. D.

"Problems of Pathophysiology and Pathomorphology in Psychiatry," Vest. Ak. Med.

Nauk SSSR, No. 1, 1948. Prof., Corr. Mem. Acad. Med. Sci. USSR, -c1948-.

ZURAOASHVILI, A.D.

22748. Zuraoashvili, A.D.

K voprosu oo zvolyutsionnoy psikhatrui. Trudy (Tbilis. Gos. Med. Inst.), T.V.,
1948, c. 252-55-na gruz. Yaz. Rezyume na rus. Yaz.

SO: LETOPIS' No. 30, 1949

ZURABASHVILI, A. D.

"Problems of Evolutionary Psychiatry"

Trudy (Tbilis. gos. Med. In-t), t V, 1948, pp 262-269. - In Georgian language. - Resume in
Russian.
(Works of the Tbilisi State Med. Inst.)

1949 Letopis' Zhurnal'nykh Statey No. 30, item 22748

ZURABASHVILI, A. D.

Zurabashvili, A. D. and Cholekashvili, Ye. S. "Question of the morphological and functional reversibility of the nerve elements of the cerebral cortex of the cat (Experimental-morphological and electroencephalographic observations)," Trudy In-ta fiziologii im. Eeritashvili, Vol. VII, 1948, p. 365-89 -- Summary in Georgian --
Bibliog: 20 items

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey', No. 13, 1949)

ZURABASHVILI, A. D.

Zurabashvili, A. D. "Architectonics of the brain and spinal cord of decerebrate dogs," Trudy Fiziol. in-ta im. Pavlova, Vol. III, 1949, p. 101-06 -- Bibliog: p. 106

SO: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 14, 1949).

ZURABASHVILI, H.D.

1191. Brain Lesions in Schizophrenia. (Крат报хитет-
тонике шизофрении) Невропатология и Психиа-
трия [Nevropat. Psichiat.] 19, No. 1, 26-31, Jan.-Feb., 1950.
A. D. ZURABASHVILI. 5 figs., 6 refs.

Fifteen biopsy specimens obtained at leucotomy in cases of long-standing schizophrenia were studied histologically. All the specimens were of Brodmann's area 8 or the transition zone from area 8 to area 9. Small foci of nerve cell loss or rarefaction were seen in layers II, IIIa, IIIb, and to a lesser extent in IIIc. These foci were not uncommonly surrounded by a zone in which the nerve cells showed degenerative changes, chiefly with oedema. Short of the focal cell loss, described above, there were also milder lesions in the external layer complex, namely, layers IIIa, IIIb, IIIc, and II. The inner layer complex was much less involved. The changes consisted of the wrinkling and sclerosis of nerve cells together with pericellular and peridendritic processes. The protoplasmic and dendritic processes showed tortuosity, swelling, beading, and fusion of fibrils. Only the dendrites and protoplasmic processes were affected in some of the fields while the cell bodies remained intact, and these dendritic lesions were observed to progress in a retrograde fashion towards the cell body. In places where this occurred the synaptic formations, which were present in normal form and numbers round the intact part of the neurone, were conspicuously lacking round the affected dendrites. Early pericellular oedema was associated with a shift of the synaptic structures away from the cell body. These synaptic structures themselves were coarser and more argenophilic than normal ones. The author thinks that the primary brunt of the lesions in schizophrenia falls on the axo-dendritic synaptic apparatus. His previous studies of the electroencephalographic changes in schizophrenia had indicated a disturbance of co-ordination between the two hemispheres. Commissural fibres between homonymous

and homotopical fields in the two hemispheres, which run in the corpus callosum, originate and end chiefly in layer III. It is therefore justifiable to conclude that the changes described above form the anatomical substratum for the electroencephalographic disturbances. It is also thought that there is a disturbance in the co-ordinating connexions between the frontal lobe and the anterior nuclei of the thalamus.

L. Crome
See also Section Endocrinology, Abstract 1114.

H02 Meningo-asthma (Anxiety - Neurosis,

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